

FIG. 1

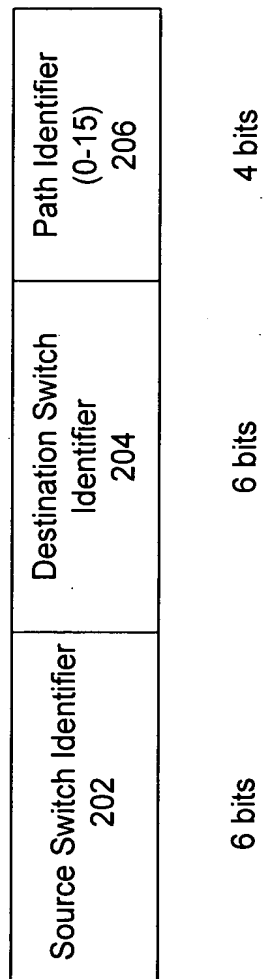


FIG. 2

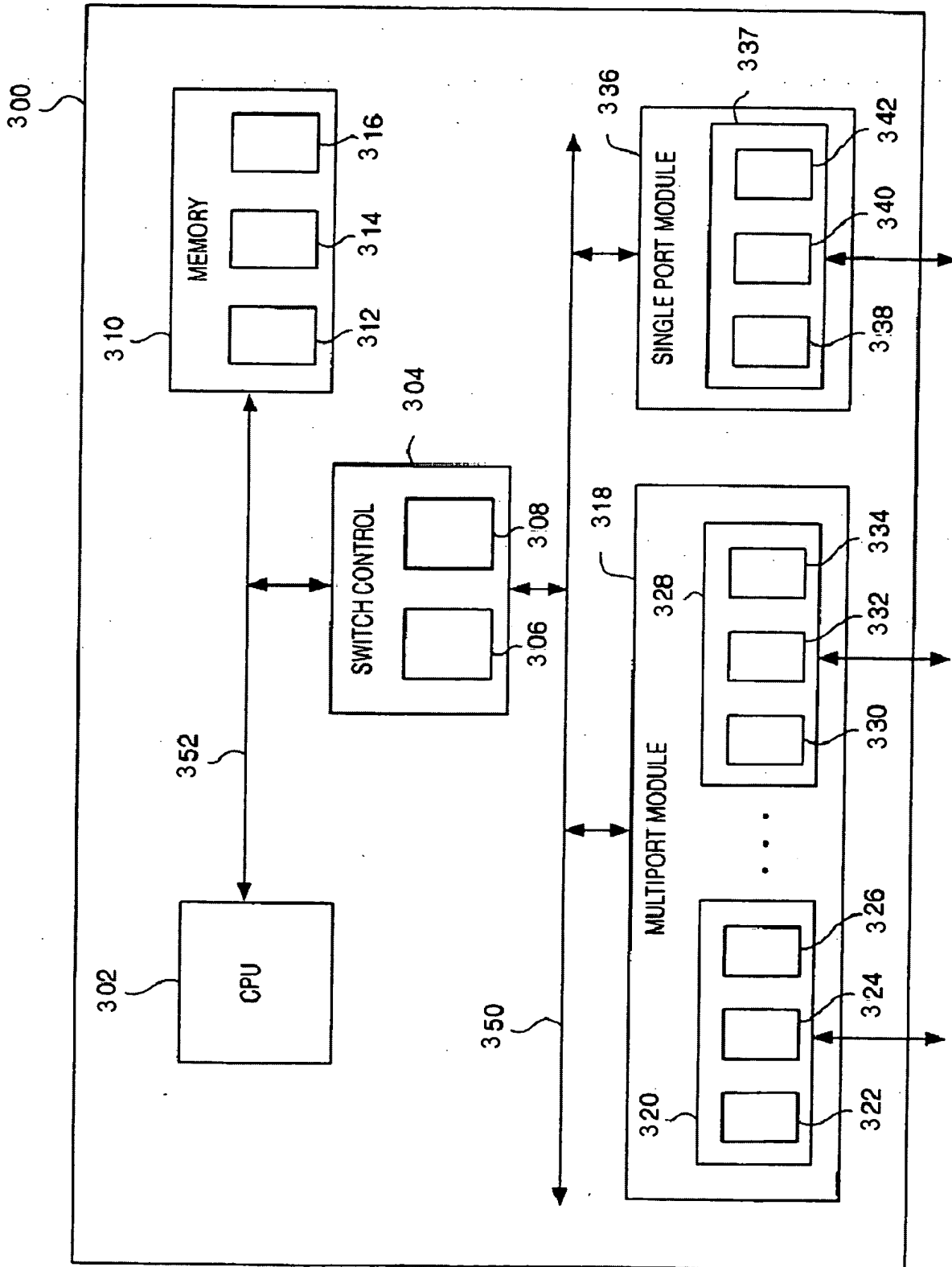


FIG. 3

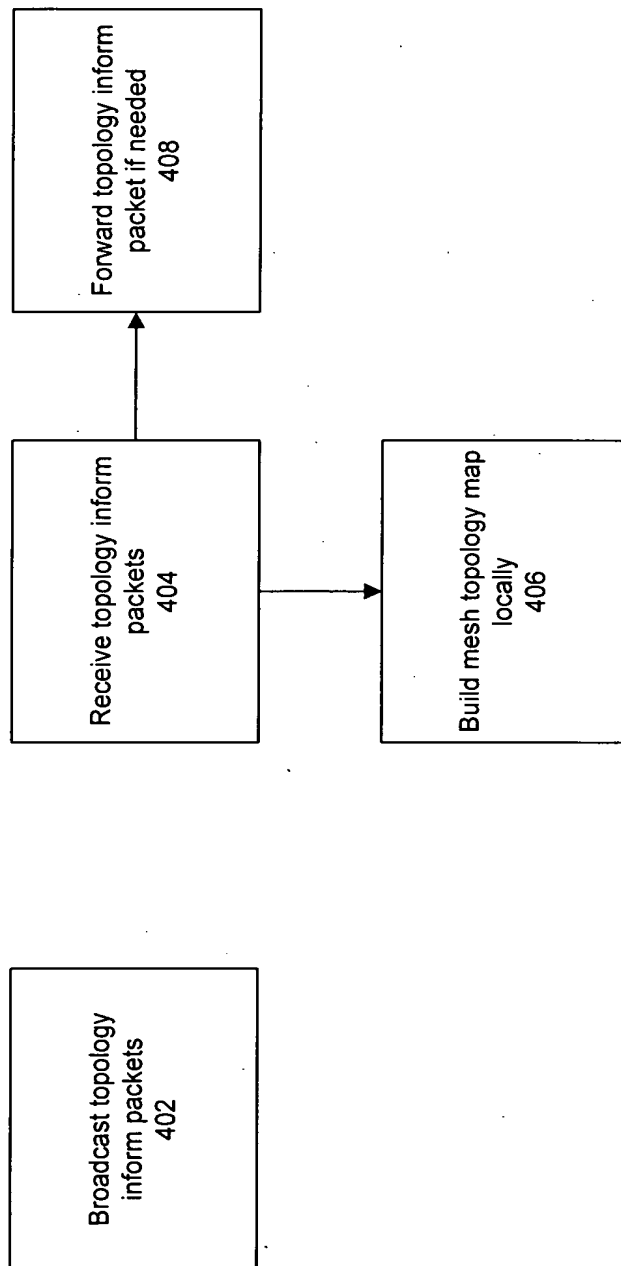


FIG. 4A

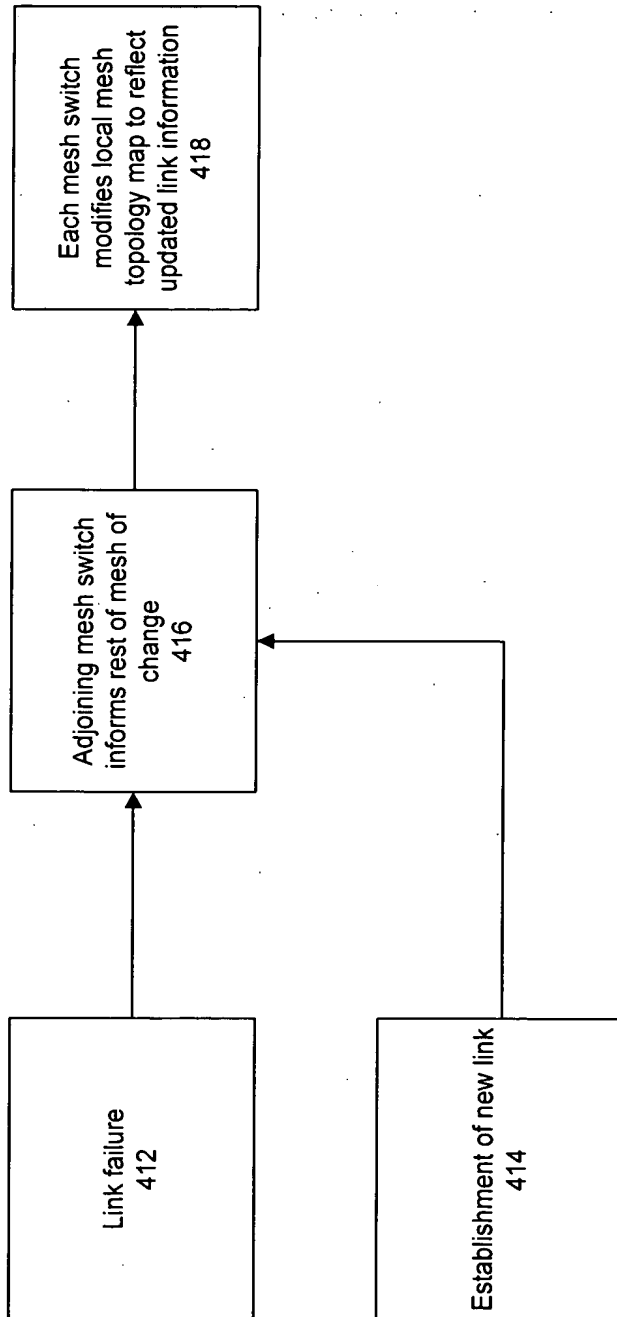


FIG. 4B

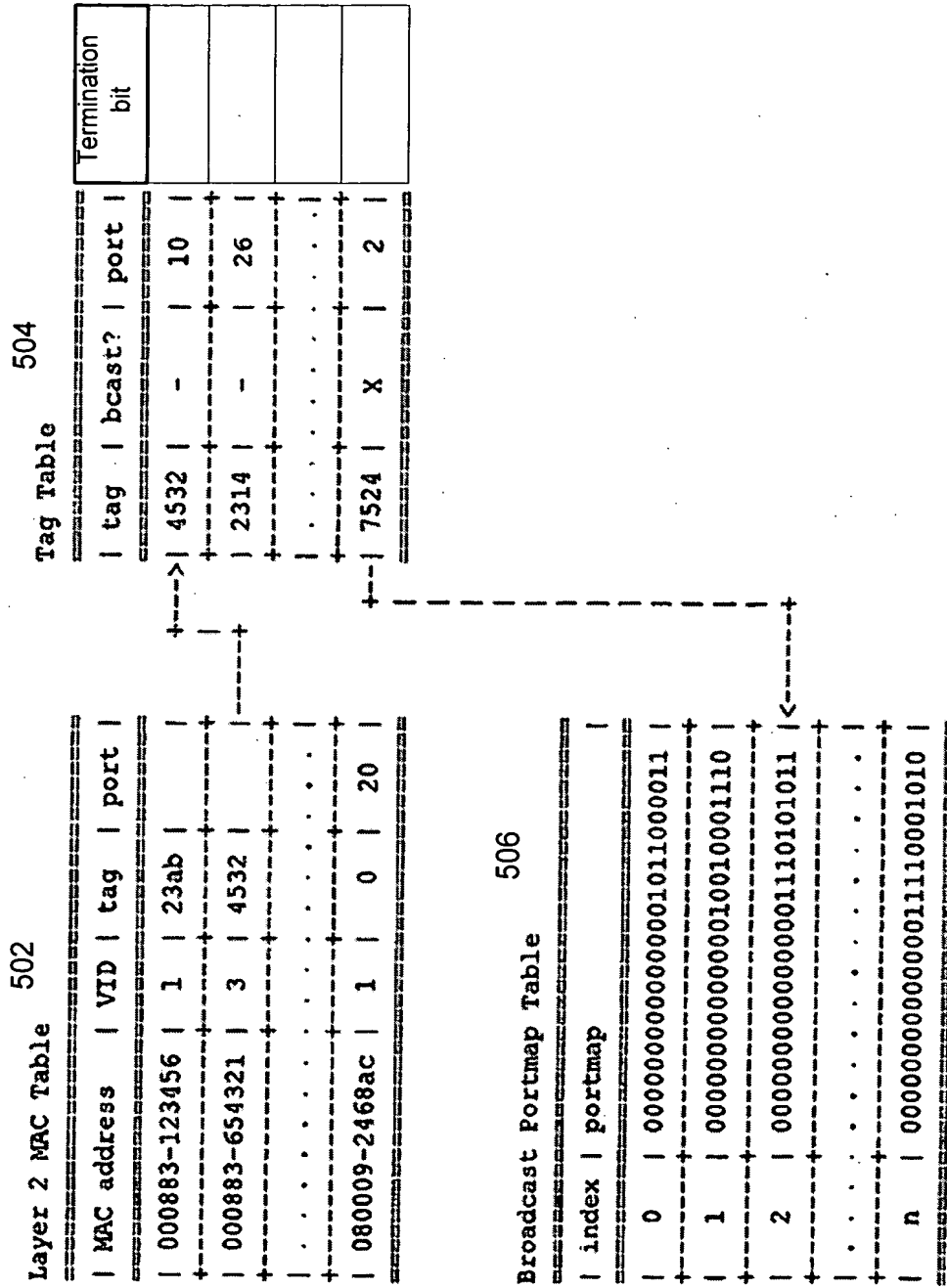


FIG. 5

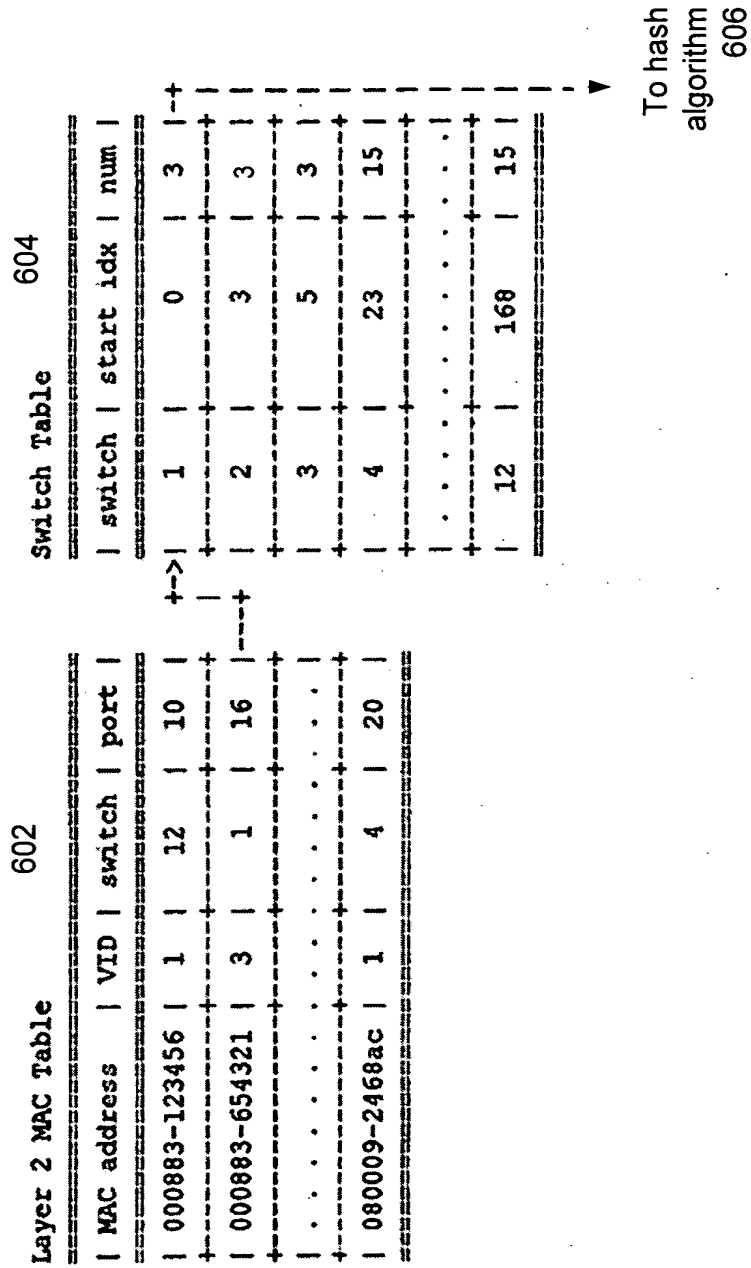


FIG. 6A

From entry in
 Switch Table
 604

Tag Table		608	
	tag	bcast?	retag port
switch 1's tags	2332	-	- 10 <--+
	2314	-	- 78 <--+
	2309	-	- 23 <--+
switch 2's tags	1904	-	- 5
	1924	-	- 7
	1974	-	- 1
switch n's tags	.	.	.
	7524	X	- 13

hash 606 | <--+

algorithm |

FIG. 6B

Tag	Num Hops	Links
0xB201	3	10, 100
0xB202	4	100
0xB203	2	1000
0xB204	5	1000, 100

FIG. 7

Tag Table 802

Tag Table			
tag	bcast?	retag	port
B203	-	-	78
B201	-	-	10
B203	-	-	78
B203	-	-	78
B201	-	-	10
B202	-	-	23
B203	-	-	78
B201	-	-	10
B204	-	-	13
B202	-	-	23

switch 1's tags

FIG. 8

902

Layer 2 MAC Table

MAC address	VID	switch	priority	port
000883-123456	1	1	2	10
000883-654321	3	3	1	16
...
080009-2468ac	1	4	2	20

904

Switch Table

switch	priority	start idx	num
1	3	0	1
1	2	1	2
1	1	3	2
2	3	5	2
2	2	7	2
2	1	9	2
...
12	1	168	5

To hash
algorithm
906

FIG. 9A

From entry in
 Switch Table
 904

Tag Table					908	
tag	bcast?	retag	port			
2332	-	-	10	switch 1 high priority		
2314	-	-	78			
2309	-	-	23	switch 1 medium priority		
1904	-	-	5	switch 1 low priority		
1957	-	-	12			
1924	-	-	7	switch 2 high priority		
1974	-	-	1			
...			
7524	X	-	13			

FIG. 9B